

Abstract of the Disclosure

An electric wire having a conductive portion with grooves on the surface thereof to increase a surface area of the conductive portion for enlarging the skin effect in high frequency current and enhancing the transmissibility and the space factor in high frequency current is provided. The conductive portion 1a being made of an electric conductive material is formed on the surface 1a with a convexo-concave surface 3 to provide predetermined amount of grooves 2 or concave portions 20 having a predetermined section with a predetermined depth W extending in a direction of thickness or toward a center of the conductive portion on the surface of the conductive portion along lengthwise the conductive portion